

# Semi 40

Power Semiconductor and Electronics Manufacturing 4.0

Semi 40 Consortium

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The project Semi40 is co-funded by grants from Austria, Germany, Italy, France, Portugal and the ECSEL Joint Undertaking and is coordinated by Infineon Technologies Austria AG

# Semi 40 – Consortium

Power Semiconductor and Electronics Manufacturing 4.0 ECSEL-IA 692466-2



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 Management and scientific Coordination: Dr. Cristina De Luca

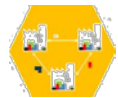
37 Partners  
 5 countries  
 5/2016 – 4/2019



Total Budget ~62'€  
 Total Funding ~23'6



- › **Safe secure and authenticated data communication** within and outside of manufacturing plants



- › **Agile facility**, fast reconfiguration and controlling of logistic processes and automated experiments



- › **Tools and methodologies for automated decision making** in manufacturing shop floor, based on big data analysis methods



- › **Methodologies for large nonlinear fab simulation and model optimization** by complexity reduction,



- › Complemented by **selected use cases representing supply chains** to sustainably improve competitiveness of the partners in the consortia



- › **Security:** Assure Robustness against Virus Attacks
- › **Stable European Supply Chains for Important Technologies:** Medical Engineering, Automobile and Consumer Industries
- › **Quality Enhancements:** Standardized logical Processes and Improved Yield Performance
- › **Robotics:** Higher Degree of Automation and Innovative Logistics
- › **Big Data Handling:** Effective Decision-Making and Employee Support
- › **Work Life Balance Improvement**

# Thank you!



Coordinator: Johann Massoner  
Project Manager: Dr. Cristina De Luca



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